<b>Application No.</b> 10/784,558	Applicant(s)
10/784,558	TANCHOLU CT AL
	TAKEUCHI ET AL.
Examiner	Art Unit
Nguyen T Ha	2831
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## **DETAILED ACTION**

## Allowable Subject Matter

1. Claims 1-20 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1-10, the prior art alone or in combination does not teach the limitation of an intermediate laminated structure comprising a plurality of unfired ceramic plates, each of the plates having a plurality of holes formed therethrough by a punching operation, wherein the at least a first hole in one of the plurality of unfired ceramic plates having the same shape and cross-sectional area to define a cylinder of constant cross-sectional area throughout the entire thickness of the intermediate laminated structure.

With respect to claims 11-15, the prior art alone or in combination does not teach the limitation of an intermediate laminated circuit substrate comprising: at least one cylinder defined by a plurality of first holes formed in each of an insulator and conductors by a punching operation and passing through all of the insulators and conductors, wherein at least a first hole in one of the plurality of insulators and conductors has the same shape and cross-sectional area as respective first holes in the remaining plurality of insulators and conductors such that the cylinder having a constant cross-sectional area throughout the entire thickness of the intermediate laminated circuit substrate.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Response to Arguments

2. The applicant has argued that Naito and Dohya are silent with respect to an intermediate laminated structure comprising a plurality of unfired ceramic plates, each of the plates having a plurality of holes formed therethrough by a punching operation, wherein the at least a first hole in one of the plurality of unfired ceramic plates having the same shape and cross-sectional area to define a cylinder of constant cross-sectional area throughout the entire thickness of the intermediate laminated structure or laminated circuit substrate. The examiner finds this argument persuasive. Therefore, the examiner made decision to allow these limitations over the prior art of record.

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen T Ha whose telephone number is 571-272-1974. The examiner can normally be reached on Monday-Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 571-272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

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published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nguyen T. Ha December 1, 2004

DEAN A. REICHARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800